

# California State University General Education Pattern

## Description

---

The CSUGE Certificate of Achievement is designed for students who plan to transfer to one of the campuses of the California State University. Completion of courses for this certificate will assist students to transfer without the need to take additional lower-division general education courses to satisfy university general education requirements. Additional requirements are necessary for individual majors.

Each candidate for the bachelor's degree from a CSU institution shall complete a pattern of General Education courses, which total a minimum of 48 semester units. Chaffey College may certify a maximum of 39 semester units toward meeting this requirement; the remaining 9 semester units must be completed at the CSU upper division level.

Full general education certification from Chaffey College requires a minimum of 39 units distributed as follows:

- **Area A:** 9 units required
- **Areas B and C:** 9 units are required in each area.
- **Area D:** 6 units required.
- **Areas E and F:** 3 units are required in each area.

To meet the CSU-GE Breadth Certification requirements, courses in Areas A1, A2, A3, and B4 must be completed with a "C" or better.

Each course may be used in only one area of CSU-GE certification and must be on the approved list in the year completed. The following Chaffey College courses meet this pattern:

## Program Learning Outcomes

---

Upon the successful completion of this program, students should be able to:

1. Demonstrate effective communication and comprehension skills.
2. Demonstrate critical thinking skills in problem-solving across the disciplines and in daily life.
3. Demonstrate knowledge of significant social, cultural, environmental and aesthetic perspectives.
4. Assess their knowledge skills and abilities.
5. Set personal, educational, and career goals.
6. Work independently and in group settings.
7. Demonstrate computer literacy.
8. Cultivate self-reliance, financial literacy, and physical and social health.

## Program Requirements

---

**AREA A: English Language Communication and Critical Thinking** **Units: 9.00**

**A1 - Oral Communication (one course):**

COMSTD 2	Fundamentals of Effective Speaking	3.00
COMSTD 4	Fundamentals of Interpersonal Communication	3.00
COMSTD 6	Fundamentals of Small Group Communication	3.00
COMSTD 8	Fundamentals of Speech Communication	3.00

**A2 - Written Communication:**

ENGL 1A	Composition	3.00
---------	-------------	------

**A3 - Critical Thinking (one course):**

COMSTD 72	Logic and Argumentation	3.00
-----------	-------------------------	------

ENGL 1B	Advanced Composition and Critical Thinking	3.00
PHIL 75	Symbolic Logic	3.00
PHIL 76	Critical Thinking	3.00

**AREA B: Scientific Inquiry and Quantitative Reasoning**

**Units: 9.00**

Choose at least one course from each area. At least one of the physical science (B1) or life science (B2) courses must have a laboratory.

**B1 - Physical Science (one course):**

ASTRON 26	Stars and Galaxies	3.00
-----------	--------------------	------

*Either:*

ASTRON 27	Life in the Universe <sup>†</sup>	3.00
-----------	-----------------------------------	------

*Or:*

ASTRON 27	Life in the Universe <sup>†</sup>	3.00
-----------	-----------------------------------	------

AND

ASTRON 27L	Life in the Universe Laboratory <sup>*†</sup>	1.00
------------	---	------

ASTRON 35	Planets and the Solar System with Lab <sup>*</sup>	4.00
-----------	--	------

CHEM 7	Chemistry in Everyday Life with Lab <sup>*</sup>	4.00
--------	--	------

CHEM 8	Chemistry in Society	3.00
--------	----------------------	------

CHEM 9	Health Science Chemistry <sup>*</sup>	5.00
--------	---------------------------------------	------

CHEM 10	Introductory Chemistry <sup>*</sup>	4.00
---------	-------------------------------------	------

CHEM 12	Elementary Organic and Biochemistry <sup>*†</sup>	4.00
---------	---	------

CHEM 24A	General Chemistry I <sup>*</sup>	5.00
----------	----------------------------------	------

CHEM 24B	General Chemistry II <sup>*</sup>	5.00
----------	-----------------------------------	------

CHEM 70	Quantitative Analysis <sup>*</sup>	4.00
---------	------------------------------------	------

CHEM 76A	Organic Chemistry I <sup>*</sup>	4.00
----------	----------------------------------	------

CHEM 76B	Organic Chemistry II <sup>*</sup>	4.00
----------	-----------------------------------	------

*Either:*

ESC 1	Earth Science	3.00
-------	---------------	------

*Or:*

ESC 1	Earth Science	3.00
-------	---------------	------

AND

ESC 1L	Earth Science Laboratory <sup>*</sup>	1.00
--------	---------------------------------------	------

*Either:*

ESC 5	Oceanography	3.00
-------	--------------	------

*Or:*

ESC 5	Oceanography	3.00
-------	--------------	------

AND

ESC 5L	Oceanography Laboratory <sup>*</sup>	1.00
--------	--------------------------------------	------

GEOG 2	Global Climate Change: An Introduction to Weather and Climate	3.00
--------	---	------

*Either:*

GEOG 4	Physical Geography	3.00
--------	--------------------	------

*Or:*

GEOG 4	Physical Geography	3.00
--------	--------------------	------

AND

GEOG 5	Physical Geography Laboratory*	1.00
GEOG 6	Environmental Geography†	3.00
GEOL 1	Physical Geology*	4.00
GEOL 2	Historical Geology*	4.00
PHSCI 10	Survey of Chemistry and Physics*	4.00
<i>Either:</i>		
PHYS 5	The Ideas of Physics	3.00
<i>Or:</i>		
PHYS 5	The Ideas of Physics	3.00
AND		
PHYS 6	The Ideas of Physics Laboratory*	1.00
PHYS 20A	Algebra/Trigonometry College Physics I*	4.00
PHYS 20B	Algebra/Trigonometry College Physics II*	4.00
PHYS 30A	Physics for the Medical and Life Sciences I*	4.00
PHYS 30B	Physics for the Medical and Life Sciences II*	4.00
PHYS 44	Introduction to Motion*†	4.00
PHYS 45	Physics for Scientists and Engineers I*	5.00
PHYS 46	Physics for Scientists and Engineers II*	5.00
PHYS 47	Physics for Scientists and Engineers III*	5.00

†Effective Spring 2005: GEOG-6; Spring 2007: CHEM-12, PHYS-44; Fall 2017: ASTRON-27; Fall 2023: ASTRON-27L

## B2 - Life Science (one course):

<i>Either:</i>		
ANTHRO 1	Introduction to Biological Anthropology	3.00
<i>Or:</i>		
ANTHRO 1	Introduction to Biological Anthropology	3.00
AND		
ANTHRO 1L	Laboratory for Biological Anthropology*	1.00
BIOL 1	General Biology*	4.00
BIOL 2	Environmental Science*	4.00
BIOL 3	California Environmental Issues*	4.00
BIOL 10	Concepts in Biology	3.00
BIOL 12	Introduction to Human Genetics	3.00
BIOL 20	Human Anatomy*	4.00
BIOL 22	Human Physiology*	4.00
<i>Either:</i>		
BIOL 23	General Microbiology	3.00
<i>Or:</i>		
BIOL 23	General Microbiology	3.00
AND		
BIOL 23L	General Microbiology Laboratory*	2.00
BIOL 40	Introduction to Cell and Molecular Biology*	4.00
BIOL 62	Biology of Organisms*	5.00
BIOL 63	Evolutionary Ecology*	4.00

GEOG 6	Environmental Geography	3.00
--------	-------------------------	------

**B3 - Laboratory Activity:**

This requirement is satisfied by completion of any laboratory course in B1 or B2. Courses with a laboratory are identified with an asterisk (\*).

**B4 - Mathematics (one course):**

ACCTGFS 30	Personal Finance	3.00
COMPSCI 4	Discrete Structures	3.00
MATH 4	Mathematical Concepts for Elementary School Teachers	4.00
MATH 25	College Algebra	4.00
MATH 31	Plane Trigonometry	4.00
MATH 45	Explorations in Quantitative Reasoning	4.00
MATH 60	Calculus for Business	4.00
MATH 61	Pre-Calculus	4.00
MATH 65A	Calculus I	4.00
MATH 65B	Calculus II	4.00
MATH 75	Calculus III	5.00
MATH 81	Linear Algebra <sup>†</sup>	4.00
MATH 85	Differential Equations	4.00
SCSCI 10	Statistics for Social Science	4.00
STAT 10	Elementary Statistics	4.00

<sup>†</sup>Effective Fall 2003: MATH-81

**AREA C: Arts and Humanities**

**Units: 9.00**

Choose at least one course from each area.

**C1 - Arts (at least one course):**

ART 10	2D Design: Concepts, Theory, and Practice	4.00
ART 12	3D Design: Concepts, Theory, and Practice	4.00
ART 14	Introduction to Drawing	3.00
ART 15	Color Theory <sup>†</sup>	3.00
ART 16	Introduction to Painting	3.00
ART 18	Introduction to Ceramics	3.00
ART 20	Ceramic Sculpture: Concepts, Theory, and Practice	4.00
ART 50	Introduction to Sculpture	4.00
ARTGD 13	History of Graphic Design <sup>†</sup>	3.00
ARTH 3	Survey of Western Art from Prehistory through the Middle Ages	3.00
ARTH 5	Survey of Western Art from Renaissance to Contemporary	3.00
ARTH 7	Arts of Africa, Oceania, and Indigenous North America	3.00
ARTH 9	Art of the Ancient Americas	3.00
ARTH 11	Survey of Asian Arts	3.00
ARTH 19	Contemporary Art: 1945-Present	3.00
CINEMA 25	Survey of World Cinemas	3.00
CINEMA 26	Survey of American Cinema	3.00
COMSTD 14	Oral Interpretation of Literature	3.00
FASHD 20	History of Fashion	3.00
FASHD 45	Design Fundamentals for Fashion	3.00

ID 11	History of Architecture and Interiors I	3.00
ID 12	History of Architecture and Interiors II	3.00
MUSIC 4	Music Appreciation	3.00
MUSIC 5	Music Theory and Musicianship I	4.00
MUSIC 21	History of Jazz	3.00
MUSIC 22	History of Rock and Pop †	3.00
MUSIC 23	Hip-Hop†	3.00
MUSIC 26	World Music	3.00
PHOTO 1	History of Photography	3.00
PHOTO 7	Beginning Digital Photography†	4.00
PHOTO 10	Beginning Darkroom Photography	4.00
THEATRE 1	Introduction to Theatre	3.00
THEATRE 4	Theatre History: Ancient to 1700	3.00
THEATRE 5	Theatre History: 1700-Present	3.00
THEATRE 10	Principles of Acting I	3.00
THEATRE 12	Principles of Acting II	3.00

†Effective Spring 2006: MUSIC-22; Fall 2015: ART-15; Fall 2018: PHOTO-7; Fall 2022: ARTGD-13 (previously ART-13); Fall 2023: MUSIC-23

## **C2 - Humanities (at least one course):**

ARABIC 1	Elementary Modern Standard Arabic I	4.00
ARABIC 2	Elementary Modern Standard Arabic II	4.00
ARABIC 3	Intermediate Modern Standard Arabic I	4.00
ARABIC 4	Intermediate Modern Standard Arabic II	4.00
ASL 1	Elementary American Sign Language I†	4.00
ASL 2 (same as ASL 2)	Elementary American Sign Language II	4.00
ASL 3	Intermediate American Sign Language III	4.00
ASL 4	Intermediate American Sign Language IV	4.00
CHIN 1	Elementary Mandarin Chinese I	4.00
CHIN 2	Elementary Mandarin Chinese II	4.00
CHIN 3	Intermediate Mandarin Chinese I	4.00
CHIN 4	Intermediate Mandarin Chinese II	4.00
CHIN 18	Modern Chinese Popular Culture	3.00
ENGL 1C	Introduction to Literature	3.00
ENGL 7A	Creative Writing: Short Fiction†	3.00
ENGL 7B	Creative Writing: Fiction†	3.00
ENGL 7D	Creative Writing: Poetry†	3.00
ENGL 7E	Creative Writing: Nonfiction†	3.00
ENGL 32	Introduction to the Novel	3.00
ENGL 33	Introduction to Poetry	3.00
ENGL 68	Mythology	3.00
ENGL 70A	World Literature I	3.00
ENGL 70B	World Literature II	3.00
ENGL 73	LGBTQIA+ Literature†	3.00
ENGL 74	Asian-American Literature	3.00
ENGL 75A	American Literature	3.00
ENGL 75B	American Literature	3.00
ENGL 76	African-American Literature	3.00
ENGL 77	Latino Literature	3.00

ENGL 79	Native American Literatures	3.00
ENGL 80A	Survey of British Literature I	3.00
ENGL 80B	Survey of British Literature II	3.00
ENGL 81	Shakespeare	3.00
FR 1	Elementary French I	4.00
FR 2	Elementary French II	4.00
HIST 1	World History: Pre-Civilization to 1500	3.00
HIST 2	World History: 1500 to Present	3.00
HIST 4	History of Slavery <sup>†</sup>	3.00
HIST 7	History of the Middle East	3.00
HIST 12	Asian American History	3.00
HIST 16	Westward Movement and the Indian Wars of 1840-90 <sup>†</sup>	3.00
HIST 20	History of the United States from 1945-Present	3.00
HIST 21	The Sixties in American History <sup>†</sup>	3.00
HIST 25	Women in United States History	3.00
HIST 37	California History	3.00
HIST 40	Retrospective of World War II <sup>†</sup>	3.00
HUMAN 5	Arts and Ideas of Europe: Antiquity to Renaissance	3.00
HUMAN 6	Arts and Ideas of Europe: Renaissance to Present	3.00
HUMAN 20	The Holocaust: History and Philosophy	3.00
PHIL 70	Introduction to Philosophy	3.00
PHIL 71	Philosophy of Feminism <sup>†</sup>	3.00
PHIL 72	Seminar in Ethics	3.00
PHIL 73	Seminar in Contemporary American Philosophy	3.00
PHIL 77	History of Ancient Philosophy	3.00
PHIL 78	History of Philosophy: Modern	3.00
PHIL 79	Philosophy of Consciousness <sup>†</sup>	3.00
PHIL 80	Introduction to Religion	3.00
PHIL 81	Introduction to Eastern Philosophy	3.00
PHIL 82	Introduction to Monotheistic Religions: Judaism/Christianity/Islam	3.00
SPAN 1	Elementary Spanish I	4.00
SPAN 2	Elementary Spanish II	4.00
SPAN 3	Intermediate Spanish I	4.00
SPAN 3SS	Spanish for Heritage Speakers I	4.00
SPAN 4	Intermediate Spanish II	4.00
SPAN 4SS	Spanish for Heritage Speakers II	4.00
SPAN 8	Survey of Hispanic Literature: 1700 - Present	3.00
SPAN 9	Cultural Awareness through Conversation	3.00
SPAN 13	Survey of Mexican Literature	3.00
SPAN 14	Latin American Literature	3.00

<sup>†</sup>Effective Fall 2003: ASL-1, HIST-4, HIST-16; Spring 2006: HIST-40; Fall 2011: HIST-21; Fall 2017: PHIL-71; Spring 2018: ENGL-7A, ENGL-7B, ENGL-7D, ENGL-7E; Fall 2018: PHIL-79; Fall 2020: ENGL-73

**AREA D: Social Sciences (two courses):**

**Units: 6.00**

ANTHRO 2	Introduction to Archaeology	3.00
ANTHRO 3	Introduction to Social and Cultural Anthropology	3.00
ANTHRO 5	Introduction to Linguistic Anthropology	3.00
ASL 18	Introduction to Deaf Studies	3.00
BUSL 10	Introduction to Law and the Legal Process <sup>†</sup>	3.00
CDE 2	Child Growth and Development	3.00

CDE 4	Child, Family, and Community	3.00
CDE 6	Teaching in a Diverse Society	3.00
CJ 1	Introduction to the Criminal Justice System <sup>†</sup>	3.00
CJ 55	Crime and Delinquency <sup>†</sup>	3.00
CJ 58	Social Equity and the Criminal Justice System <sup>†</sup>	3.00
COMSTD 12	Mass Communication and Society	3.00
COMSTD 74	Intercultural Communication	3.00
COMSTD 76	Gender and Communication	3.00
COMSTD 78	Family Communication	3.00
ECON 1	Introduction to Economics	3.00
ECON 2	Principles of Macroeconomics	3.00
ECON 4	Principles of Microeconomics	3.00
ECON 7	Economic History of the United States <sup>†</sup>	3.00
ECON 8	History of Economic Ideas	3.00
ETHN 1	Introduction to Ethnic Studies <sup>‡</sup>	3.00
ETHN 2	Introduction to Native American Studies <sup>‡</sup>	3.00
ETHN 3	Introduction to Latinx Studies <sup>‡</sup>	3.00
ETHN 4	Introduction to African American Studies <sup>‡</sup>	3.00
ETHN 5	Introduction to Asian American Studies <sup>‡</sup>	3.00
ETHN 6	Race, Ethnicity, and Politics in America <sup>‡</sup>	3.00
GEOG 1	World Regional Geography	3.00
GEOG 3	Geography of California	3.00
GEOG 11	Human Geography <sup>†</sup>	3.00
GERO 11	Introduction to Gerontology	3.00
GERO 18	The Social, Cultural, and Policy Issues of an Aging Society	3.00
GERO 22	Dying and Death	3.00
GERO 23	Aging and Older Adulthood	3.00
HIST 1	World History: Pre-Civilization to 1500	3.00
HIST 2	World History: 1500 to Present	3.00
HIST 4	History of Slavery <sup>†</sup>	3.00
HIST 5	Early Western Civilizations	3.00
HIST 6	Modern Western Civilizations	3.00
HIST 7	History of the Middle East	3.00
HIST 9	History of Asian Civilizations I	3.00
HIST 10	History of Asian Civilizations II	3.00
HIST 12	Asian American History	3.00
HIST 16	Westward Movement and the Indian Wars of 1840-90	3.00
HIST 17	United States History through 1877	3.00
HIST 18	United States History from 1865	3.00
HIST 19	History of Ethnic Relations in the United States	3.00
HIST 20	History of the United States from 1945-Present	3.00
HIST 21	The Sixties in American History <sup>†</sup>	3.00
HIST 37	California History	3.00
HIST 40	Retrospective of World War II <sup>†</sup>	3.00
HIST 50	African-American History I	3.00
HIST 51	African-American History II	3.00
HIST 70	Chicanos: The Common History of Mexico and the US	3.00
HIST 71	Chicanos: The Chicano Minority in the United States	3.00
PH 20	Introduction to Public Health <sup>†</sup>	3.00
PH 30	Health and Social Justice	3.00
PS 1	American Politics	3.00
PS 2	Introduction to Political Science	3.00

PS 3	California Politics and Culture <sup>†</sup>	3.00
PS 4	Political Theory	3.00
PS 7	International Relations	3.00
PS 10	Comparative Politics	3.00
PS 21	Urban Politics <sup>†</sup>	3.00
PS 25	Latino Politics	3.00
PS 32	Law and Society <sup>†</sup>	3.00
PSYCH 1	Introduction to Psychology	3.00
PSYCH 20	Developmental Psychology: Childhood and Adolescence	3.00
PSYCH 25	Developmental Psychology: Lifespan Development	3.00
PSYCH 65	Social Psychology	3.00
PSYCH 80	Research Methods in Psychology <sup>†</sup>	4.00
SOC 10	Introduction to Sociology	3.00
SOC 14	Sociology of Gender	3.00
SOC 15	Ethnic and Race Relations: U.S. and Global Perspectives <sup>†</sup>	3.00
SOC 16	Marriage, Family and Relationships <sup>†</sup>	3.00
SOC 17	Sociology of Crime <sup>†</sup>	3.00
SOC 18	Sociology of Aging	3.00
SOC 25	Study of Mexican American and Latin American People in the United States	3.00
SOC 26	Introduction to Latin American Societies	3.00
SOC 30	Introduction to LGBTQIA+ Studies	3.00
SOC 32	Introduction to Women Studies	3.00
SOC 33	Introduction to Social Justice Studies	3.00
SOC 70	Social Problems	3.00
SOC 80	Introduction to Research Methods in Sociology <sup>†</sup>	4.00

<sup>†</sup>Effective Fall 2003: CJ-1, HIST-4; Spring 2005: SOC-15; Spring 2006: GEOG-11, HIST-40; Spring 2007: SOC-16; Fall 2011: HIST-21; Fall 2012: PS-3, PS-21, PS-32; Fall 2015: SOC-80; Fall 2017: CJ-55, CJ-58, ECON-7; Fall 2019: BUSL-10; Fall 2020: PSYCH-80; Fall 2021: SOC-17; Fall 2023: PH-20

<sup>‡</sup>Ethnic Studies courses cannot double count for Area F.

**AREA E: Lifelong Learning and Self-Development (one course):**

**Units: 3.00**

Veterans may meet Area E requirements via DD-214.

BIOL 14	Health Science	3.00
CDE 2	Child Growth and Development <sup>†</sup>	3.00
GERO 22	Dying and Death	3.00
GUID 3	Career Exploration and Life Planning	3.00
KINLEC 15	Diet and Fitness	3.00
KINLEC 18	Introduction to Kinesiology <sup>†</sup>	3.00
KINLEC 32	Outdoor Adventures <sup>†</sup>	2.00
NF 5	Nutrition for Life	3.00
NF 15	Nutrition I: Introduction to Nutrition Science	3.00
NF 22	Nutrition and the Active Person	3.00
PH 10	Personal Health and Wellness <sup>†</sup>	3.00
PH 40	Drugs, Health, and Society <sup>†</sup>	3.00
PSYCH 5	Personal and Social Awareness	3.00
PSYCH 25	Developmental Psychology: Lifespan Development	3.00

SCSCI 17	Human Sexuality	3.00
SOC 16	Marriage, Family and Relationships	3.00

†Effective Fall 2005: CDE-2, KINLEC-18; Fall 2019: KINLEC-18, KINLEC-32 (plus any 1 unit KINACT course); Fall 2022: PH-10, PH-40

**AREA F: Ethnic Studies (one course):** **Units: 3.00**

ETHN 1	Introduction to Ethnic Studies <sup>‡</sup>	3.00
ETHN 2	Introduction to Native American Studies <sup>‡</sup>	3.00
ETHN 3	Introduction to Latinx Studies <sup>‡</sup>	3.00
ETHN 4	Introduction to African American Studies <sup>‡</sup>	3.00
ETHN 5	Introduction to Asian American Studies <sup>‡</sup>	3.00
ETHN 6	Race, Ethnicity, and Politics in America <sup>‡</sup>	3.00

<sup>‡</sup>Ethnic Studies courses cannot double count for Area D.

**CSU Graduation Requirement in U.S. History, Constitution, and American Ideals**

May be completed prior to transfer. At the discretion of each CSU, these courses may also count for CSU-GE certification. This requirement may be met by a combination of the following courses. See a counselor for details.

**US 1: Historical Development of American Institutions & Ideals**

HIST 17	United States History through 1877	3.00
OR		
HIST 18	United States History from 1865	3.00

**US 2: U.S. Constitution and Government**

PS 1	American Politics <sup>1</sup>	3.00
------	--------------------------------	------

<sup>1</sup>Also satisfies US 3

**US 3: California State and Local Government**

HIST 37	California History	3.00
OR		
PS 1	American Politics <sup>2</sup>	3.00

<sup>2</sup>Also satisfies US 2

Total: 39.00

**Other Information**

N/A - Not Applicable  
 Local Program (Major) Code: T001/X007A  
 Program Control Number: 30503  
 TOP Code: 4901.10  
 CIP Code: 24.0101